IN THE CLAIMS:

The following **Listing of Claims** will replace all prior versions and listings of claims in the application:

1. - 83. (cancelled)

84. (currently amended) An electro-active lens comprising:

an electro-active material of a substantially constant thickness;

at least one alignment layer to align molecules of the electro-active material; ~~and~~

a plurality of conductive ~~electrode grids or arrays~~ electrodes arranged in a grid or array comprising a plurality of elements, wherein each grid or array element is an electrode, wherein each electrode is isolated from other electrodes by an insulating material; and

wherein the electro-active lens is capable of being edged.

85. (cancelled)

86. (previously amended) The electro-active lens of claim 84, wherein the insulating material is an oxide.

87. (original) The electro-active lens of claim 86, wherein the insulating material is silicon oxide.

88. (previously amended) The electro-active lens of claim 84, wherein the insulating material is substantially transparent.

89. (original) The electro-active lens of claim 84, wherein the grids or arrays are substantially circular and concentric with respect to one another.

90. (original) The electro-active lens of claim 84, wherein the electro-active material contains a liquid crystal.

91. (currently amended) An electro-active lens comprising:

at least one layer of electro-active material having substantially constant thickness;

at least one alignment layer to align molecules of the electro-active material; ~~and~~

at least one grid or array of conductive electrodes in electrical contact with the at least one layer of electro-active material, wherein each grid or array element is an electrode and wherein the optical power of the electro-active lens is varied by altering an applied voltage from a power source to individual electrodes of the grid or array, ~~the electrodes~~ each electrode is isolated from ~~another~~ at least one other electrode by an insulating material; and

wherein the electro-active lens is capable of being edged.

92. (original) The electro-active lens of claim 91 wherein a change in refractive index of the electro-active material is at least 0.02 units per volt.

93. (cancelled)

94. (new) An electro-active lens comprising:

an electro-active material of a substantially constant thickness;

at least one alignment layer to align molecules of the electro-active material;

a plurality of conductive electrodes arranged in a grid or array comprising a plurality of elements, wherein each grid or array element is an electrode, wherein each electrode is isolated from other electrodes by an insulating material; and

wherein the electro-active material is at least partially disposed above a pupil of a wearer's eye.

95. (new) The electro-active lens of claim 94, wherein the insulating material is an oxide.

96. (original) The electro-active lens of claim 95, wherein the insulating material is silicon oxide.

97. (new) The electro-active lens of claim 94, wherein the insulating material is substantially transparent.

98. (new) The electro-active lens of claim 94, wherein the grids or arrays are substantially circular and concentric with respect to one another.

99. (new) The electro-active lens of claim 94, wherein the electro-active material contains a liquid crystal.

100. (new) An electro-active lens comprising:

at least one layer of electro-active material having substantially constant thickness;

at least one alignment layer to align molecules of the electro-active material;

at least one grid or array of conductive electrodes in electrical contact with the at least one layer of electro-active material, wherein each grid or array element is an electrode and wherein the optical power of the electro-active lens is varied by altering an applied voltage from a power source to individual electrodes of the grid or array, the electrodes isolated from another by an insulating material; and

wherein the electro-active material is at least partially disposed above a pupil of a wearer's eye.

101. (new) The electro-active lens of claim 100 wherein a change in refractive index of the electro-active material is at least 0.02 units per volt.